



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

November 17, 2011

Mr. Kenneth Langdon, Site Vice President
Nine Mile Point Nuclear Station, LLC
P.O. Box 63
Lycoming, NY 13093-0063

SUBJECT: NINE MILE POINT NUCLEAR STATION – NRC EVALUATED EMERGENCY
PREPAREDNESS EXERCISE – INSPECTION REPORT NOS.
05000220/2011502 AND 05000410/2011502

Dear Mr. Langdon:

On October 13, 2011, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection of the October 12, 2011, evaluated emergency preparedness exercise at your Nine Mile Point Nuclear Station. The enclosed inspection report documents the inspection results, which were discussed on October 13, 2011, with Mr. G. Gellrich, Acting Site Vice President, and other members of your staff.

The inspection examined activities conducted under your license as they relate to safety and compliance with the Commission's rules and regulations and with the conditions of your license. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel.

Based on the results of this inspection, no findings were identified.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure and your response (if any) will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of the NRC's document system, Agencywide Documents Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

A handwritten signature in black ink, appearing to read "Jim Trapp", is located below the "Sincerely," text.

James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

November 17, 2011

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Sincerely,

/RA/

James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

SUNSI Review Complete: JMT (Reviewer's Initials)

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DATE	11/14/11	11/15/11	11/15/11				

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K. Langdon

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Docket Nos. 50-220, 50-410
License Nos. DPR-63, NPF-69

Enclosure:
NRC Inspection Report Nos. 05000220/2011502
and 05000410/2011502

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U.S. NUCLEAR REGULATORY COMMISSION

REGION I

Docket Nos.: 05000220, 05000410

License Nos.: DPR-63, NPF-69

Report Nos.: 05000220/2011502, 05000410/2011502

Licensee: Constellation Nuclear Generation

Facility: Nine Mile Point Nuclear Station

Location: P. O. Box 63
Lycoming, NY 13093-0063

Dates: October 11-13, 2011

Inspectors: S. Barr, Sr. Emergency Preparedness Inspector,
Division of Reactor Safety (DRS), Region I (Lead)
D. Everhart, Physical Security Inspector, DRS, Region I
D. Dempsey, Resident Inspector, Nine Mile Point, Region I
B. Fuller, Operations Inspector, DRS, Region I

Approved by: James M. Trapp, Chief
Plant Support Branch 1
Division of Reactor Safety

Enclosure

SUMMARY OF FINDINGS

IR 05000220/2011502 and 05000410/2011502; 10/11/2011 - 10/13/2011; Nine Mile Point Nuclear Station; Exercise Evaluation; Emergency Action Level and Emergency Plan Changes; Emergency Preparedness Performance Indicators.

This was an announced inspection conducted by four region-based inspectors. No findings of significance were identified. The NRC's program for overseeing the safe operation of commercial nuclear power reactors is described in NUREG-1649, "Reactor Oversight Process," Revision 4, dated December 2006.

Cornerstone: Emergency Preparedness

A. NRC-Identified and Self-Revealing Findings

No findings were identified.

B. Licensee-Identified Findings

None.

REPORT DETAILS

1. REACTOR SAFETY

Cornerstone: Emergency Preparedness (EP)

1EP1 Exercise Evaluation (71114.01 – 1 Sample)

a. Inspection Scope

Prior to the October 12, 2011, emergency preparedness exercise, the NRC inspectors conducted an in-office review of the exercise objectives and scenario, which Constellation had submitted to the NRC, to determine if the exercise would test major elements of the Nine Mile Point Emergency Plan as required by Title 10 of the *Code of Federal Regulations* (10 CFR) 50.47(b)(14). This overall exercise inspection activity represented the completion of one sample on a biennial cycle.

The exercise evaluation consisted of the following review and assessment:

- The adequacy of Constellation's performance in the biennial full-participation exercise regarding the implementation of the risk-significant planning standards (RSPS) described in 10 CFR 50.47(b)(4), (5), (9), and (10), which are: emergency classification; offsite notification; radiological assessment; and protective action recommendations, respectively.
- The overall adequacy of Constellation's Nine Mile Point emergency response facilities with regard to NUREG-0696, "Functional Criteria for Emergency Response Facilities," and Emergency Plan commitments. The facilities assessed were the Control Room Simulator, Technical Support Center (TSC), Emergency Operations Facility (EOF), and the Joint Information Center (JIC).
- A review of other performance areas, such as: the Nine Mile Point emergency response organization's (ERO) recognition of abnormal plant conditions; command and control; intra- and inter-facility communications; prioritization of mitigating activities; utilization of repair and field monitoring teams; interface with offsite agencies; staffing and procedure adequacy; and the overall implementation of the emergency plan and its implementing procedures.
- A review of past performance issues from the last NRC Nine Mile Point EP exercise inspection report and Constellation's Nine Mile Point EP drill reports, to determine the effectiveness of licensee corrective actions as demonstrated during the October 12, 2011, exercise and to ensure compliance with 10 CFR 50.47(b)(14).
- The licensee's post-exercise critiques, to evaluate Constellation's self-assessment of its ERO performance during the October 12, 2011, Nine Mile Point exercise and to ensure compliance with 10 CFR Part 50, Appendix E, Section IV.F.2.g.

The inspectors reviewed the documents listed in the attachment to this report.

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b. Findings

No findings were identified.

1EP4 Emergency Action Level and Emergency Plan Changes (71114.04 – 1 Sample)

a. Inspection Scope

Since the last NRC inspection of this program area, in July 2010, Constellation implemented various revisions of the different sections of the Nine Mile Point Emergency Plan. Constellation had determined that, in accordance with 10 CFR 50.54(q), any change made to the Plan, and its lower-tier implementing procedures, had not resulted in any decrease in effectiveness of the Plan, and that the revised Plan continued to meet the requirements of 10 CFR 50.47(b) and Appendix E to 10 CFR Part 50. The inspectors reviewed all emergency action level (EAL) changes that Constellation had made since July 2010, and conducted a sampling review of other Emergency Plan changes, including the changes to lower-tier emergency plan implementing procedures, to evaluate for any potential decreases in effectiveness of the Emergency Plan. However, this review was not documented in an NRC Safety Evaluation Report and does not constitute formal NRC approval of the changes. Therefore, these changes remain subject to future NRC inspection in their entirety.

b. Findings

No findings were identified.

4. OTHER ACTIVITIES (OA)

4OA1 Performance Indicator Verification (71151 – 3 Samples)

a. Inspection Scope

The inspectors reviewed data for the Nine Mile Point EP PIs, which are: (1) Drill and Exercise Performance (DEP); (2) ERO Drill Participation; and, (3) Alert and Notification System (ANS) Reliability. The last NRC EP inspection at Nine Mile Point was conducted in the third quarter of 2010, so the inspectors reviewed supporting documentation from EP drills, training records, and equipment tests from the third calendar quarter of 2010 through the third quarter of 2011, to verify the accuracy of the reported PI data. The review of these performance indicators (PIs) was conducted in accordance with NRC Inspection Procedure 71151, using the acceptance criteria documented in NEI 99-02, "Regulatory Assessment Performance Indicator Guidelines," Revision 6.

This inspection activity represented the completion of three samples on an annual cycle.

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b. Findings

No findings were identified.

4OA6 Meetings, Including Exit

On October 13, 2011, the inspectors presented the results of this inspection to Mr. G. Gellrich, Acting Nine Mile Point Site Vice President, and other members of the Constellation staff. No proprietary information was provided to the inspectors during this inspection.

Enclosure

ATTACHMENT

SUPPLEMENTAL INFORMATION

KEY POINTS OF CONTACT

Licensee Personnel

G. Gellrich, Acting Nine Mile Point Site Vice President

J. Kaminski, Nine Mile Point Emergency Preparedness Director

LIST OF ITEMS OPENED, CLOSED, AND DISCUSSED

None

LIST OF DOCUMENTS REVIEWED

Section 1EP1: Exercise Evaluation

Nine Mile Point Nuclear Station Site Emergency Plan (Revision 57)

Nine Mile Point Nuclear Station Emergency Plan Implementing Procedures

Nine Mile Point October 12, 2011, Emergency Exercise Scenario Package

CNG-EP-1.01-1006, Drill and Exercise Scheduling and Preparation (Revision 0)

CNG-EP-1.01-1007, Evaluation and Documentation of Drills, Exercises and Classified Events (Revision 0)

Nine Mile Point Nuclear Station 2008-2009 Training Drill Reports

Nine Mile Point Emergency Preparedness Drill Reports, January 2010 – September 2011

Condition Reports generated from the October 12, 2011, Exercise (As documented in Nine Mile Point Graded Exercise Evaluation Report NMP-EP-EX-11-2, dated October 31, 2011)

Section 1EP4: Emergency Action Level and Emergency Plan Changes

Nine Mile Point Nuclear Station Site Emergency Plan (Revision 57)

Nine Mile Point Nuclear Station Site Emergency Plan, Section 8.2, Reviewing and Updating of Plans and Procedures (Revision 50)

CNG-NL-1.01-1011, 10 CFR 50.59/10 CFR 72.48 Applicability Determination, Screenings and Evaluations (Revision 2)

CNG-EP-1.01-1002, Control of Emergency Preparedness Program Activities (Revision 0)

CNG-EP-1.01-1004, 50.54(Q) Effectiveness Review (Revision 1)

All Nine Mile Point 50.54(q) screenings performed July 2010-September 2011 (Screenings and evaluations 2010-15 through 2011-46)

Section 40A1: Performance Indicator Verification

CNG-EP-1.01-1001, Emergency Preparedness Program Responsibilities and Oversight (Revision 1)

IP-EPP-9, Emergency Response Organizations Performance Indicators (Revision 0)

Alert Notification System PI data, July 2010 – September 2011

DEP PI data, July 2010 – September 2011

ERO Drill Participation PI data, July 2010 – September 2011

Attachment

LIST OF ACRONYMS

ANS	Alert Notification System
CR	Condition Report
DEP	Drill and Exercise Performance
EAL	Emergency Action Level
EOF	Emergency Operations Facility
EP	Emergency Preparedness
ERO	Emergency Response Organization
JIC	Joint Information Center
NEI	Nuclear Energy Institute
NMP	Nine Mile Point
NRC	Nuclear Regulatory Commission
PI	Performance Indicator
RSPS	Risk Significant Planning Standard
TSC	Technical Support Center